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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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EXAMINER

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ART UNIT	PAPER NUMBER
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2177

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11/16/00

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**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner of Patents and Trademarks**

<b>Office Action Summary</b>	Application No.	Applicant(s)
	09/188,492	BAE, SEONGHO
	Examiner Luke S Wassum	Art Unit 2177

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

#### Status

1) Responsive to communication(s) filed on 09 November 1998.

2a) This action is FINAL.                    2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 1-20 is/are pending in the application.

4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5) Claim(s) \_\_\_\_\_ is/are allowed.

6) Claim(s) 1-20 is/are rejected.

7) Claim(s) \_\_\_\_\_ is/are objected to.

8) Claims \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on 09 November 1998 is/are objected to by the Examiner.

11) The proposed drawing correction filed on \_\_\_\_\_ is: a) approved b) disapproved.

12) The oath or declaration is objected to by the Examiner.

#### Priority under 35 U.S.C. § 119

13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

a) All b) Some \* c) None of the CERTIFIED copies of the priority documents have been:

1. received.

2. received in Application No. (Series Code / Serial Number) \_\_\_\_\_.

3. received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

14) Acknowledgement is made of a claim for domestic priority under 35 U.S.C. & 119(e).

#### Attachment(s)

15) Notice of References Cited (PTO-892)

16) Notice of Draftsperson's Patent Drawing Review (PTO-948)

17) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2.

18) Interview Summary (PTO-413) Paper No(s) \_\_\_\_\_.

19) Notice of Informal Patent Application (PTO-152)

20) Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Information Disclosure Statement***

1. Receipt is hereby acknowledged of Information Disclosure Statement filed 9 February 1999.

### ***Drawings***

2. The following is a quotation from 37 CFR 1.84(p)(4), detailing the use of reference characters in drawings:

"The same part of an invention appearing in more than one view of the drawing must always be designated by the same reference character, and the same reference character must never be used to designate different parts."

3. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference character "54" has been used to designate both the Enterprise Server (see Figure 3) and the Internet Terminal (see Figure 4). Correction is required.

4. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because there are numerous drawing elements, including but not limited to the Cool ICE System, Internet Terminal, WWW, Web Server, Intranet, Enterprise Server, Departmental Server, Cool ICE Gateway, Cool ICE Service Handler, Cool ICE Administrator, Cool Ice Repository, and Browser, that are referred to by different reference numbers on different Figures, notably on Figures 1, 3, 4, 5, 6, 9 and 10. The provisions of 37 CFR 1.84(p)(4) require that identical elements be labeled with identical reference numbers on all drawings throughout the application.

Correction is required.

5. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference sign(s) not mentioned in the description:

- a) reference numbers 144, 150, 162 and 174 in Figure 6;
- b) reference numbers 246, 252, 268 and 274 in Figure 9; and
- c) reference numbers 302, 304, 306, 308, 310, 312 and 314 in Figure 10.

Correction is required.

6. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: 208 (see reference to 'path 208' on page 29, line 13). Correction is required.

The applicant's cooperation is appreciated in correcting any additional instances of the above-cited errors of which they may become aware.

7. Applicant is required to submit a proposed drawing correction in reply to this Office action. However, formal drawings can be deferred until the examiner has identified allowable subject matter.

*Specification*

8. The use of the trademarks Cool ICE and Classic MAPPER has been noted in this application. They should be capitalized wherever they appear and be accompanied by the generic terminology. See MPEP § 608.01(v).

Although the use of trademarks is permissible in patent applications, the proprietary nature of the marks should be respected and every effort made to prevent their use in any manner which might adversely affect their validity as trademarks.

9. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The use of a trademark in the title of an application should be avoided. See MPEP § 608.01(v). The title of the invention contains the name 'Green ICE'. A patent title should be descriptive as to the *function* of the invention, and should not contain proper names.

The following title is suggested: "Method and System for Remote Database Access and Report Generation and Retrieval via the Internet".

10. The following is a quote in part of MPEP 608.01(p), concerning the incorporation of subject matter by reference:

"Mere reference to another application, patent, or publication is not an incorporation of anything therein into the application containing such reference for the purpose of the disclosure required by 35 U.S.C. 112, first paragraph. *In re de Seversky*, 474 F.2d 671, 177 USPQ 144, (CCPA 1973). In addition to other requirements for an application, the referencing application should include an identification of the referenced patent, application, or publication. Particular attention should be directed to specific portions of the referenced document where the subject matter being incorporated may be found. Guidelines for situations where applicant is permitted to fill in a number for Serial No. \_\_\_\_\_ left blank in the application as filed can be found in *In re Fouche*, 439 F.2d 1237, 169 USPQ 429 (CCPA 1971) (Abandoned applications less than 20 years old can be incorporated by reference to same extent as copending applications; both types are open to public upon referencing application issuing as a patent)."

11. The disclosure is objected to because the cited Cross References to Related Applications does not include the application numbers of the copending applications.

Appropriate correction is required.

12. The disclosure is objected to because a number of typographical errors have been noted:

- a) on page 3, line 19, the erroneous inclusion of a ‘?;
- b) on page 7, line 2, the phrase ‘If the actual user are...’ should be changed to ‘If the actual *users* are...’;
- c) on page 23, line 2, the erroneous inclusion of a ‘?’ after the word ‘language’;
- d) on page 25, line 3, the erroneous inclusion of a ‘,’ after the word ‘Fig’;
- e) on page 29, line 4, the erroneous inclusion of a ‘;’ in the URL; and
- f) on page 32, line 10, the erroneous inclusion of a ‘,’ after the period.

Appropriate correction is required.

13. The disclosure is objected to because it is in conflict with the drawings.

On page 27, line 12, reference is made to ‘path 156’ of Figure 6. However, in Figure 6, reference number 156 refers to the ‘Cool ICE Service Handler’, and the said path is indicated by reference number 158.

Similarly, on page 29, line 13, reference is made to ‘path 208’ of Figure 7. However, there is no reference number 208 in Figure 7; the said path is indicated by reference number 206.

In addition, on page 34, lines 7 and 13, reference is made to ‘repository 322’ of Figure 10; however, reference number 322 on Figure 10 refers to an element labeled ‘Service’, and the element labeled ‘Repository’ is indicated by reference number 330.

***Claim Rejections - 35 USC § 112***

14. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

15. Claim 16 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

16. Claim 16 recites the limitation "said offering means" in part (e). There is insufficient antecedent basis for this limitation in the claim.

17. Claim 16 is rejected under 35 U.S.C. 112, second paragraph, as being vague, unclear, and/or indefinite. The instant claim is broken into 4 parts, numbered 16(a), 16(b), 16(c), and 16(e). The letters should be consecutive.

Appropriate correction is required.

***Claim Rejections - 35 USC § 103***

18. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

19. Claims 1-4, 6-14 and 16-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Kitain et al.** (U.S. Patent 5,864,871) in view of **Rogers et al.** (U.S. Patent 6,094,655).

20. Regarding claims 1 and 6, **Kitain et al.** discloses a data processing environment substantially as claimed, including:

- a) a user terminal which displays a report (see col. 13, lines 10-22; see also col. 47, lines 25-27);
- b) a publicly accessible digital communications network coupled to said user terminal (see 'Internet' on Figure 1; see also col. 13, lines 1-3);
- c) an information server (see Figure 1, reference number 2; see also col. 13, lines 1-3);
- d) a server coupled to user terminal via a publicly-accessible digital communications network (see 'Internet' on Figure 1; see also col. 13, lines 1-3); and
- e) a server coupled to a database management system (see Figure 1, reference numbers 11 and 13; see also col. 12, lines 35-45).

**Kitain et al.** does not teach a data processing system wherein said server spools the requested reports for future delivery.

**Rogers et al.**, however, teaches a data processing system wherein said server spools the requested reports for future delivery (see col. 9, lines 2-10; see also col. 14, line 44 through col. 15, line 9; see also col. 19, line 40 through col. 20, line 38).

It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate said spooling feature into a data processing system, since this supports the ability to distribute the requested report to multiple locations, and/or in multiple formats.

21. Furthermore, regarding claims 2 and 7, **Kitain et al.** teaches a data processing system comprising a plurality of user terminals and wherein said server electronically delivers reports to said terminals (see Figure 1, reference numbers 6 and 8; see also col. 11, lines 35-42; see also col. 13, lines 10-12).

22. Furthermore, regarding claims 3 and 9, **Kitain et al.** teaches a data processing system wherein said publicly accessible digital communications network in the World-Wide Web (see col. 11, lines 26-31; see also col. 13, lines 1-3).

23. Furthermore, regarding claims 4 and 8, **Rogers et al.** teaches a data processing system wherein said server further comprises a repository which includes space for storage of said report (see col. 9, lines 2-10).

24. Furthermore, regarding claim 10, **Kitain et al.** teaches a data processing system wherein said user terminal is an industry standard compatible personal computer having a web browser (see col. 5, lines 41-52).

25. Regarding claim 11, **Kitain et al.** teaches a method of communicating between a user terminal and a database management system comprising:

- a) converting a report into a predetermined format (see col. 12, lines 24-28);
- b) spooling said report within a repository (see col. 12, lines 28-34);
- c) making a service request from said user terminal to said database management system (see col. 19, line 47 through col. 20, line 40); and
- d) transmitting HTML display page from said database management system to said user terminal (see col. 20, line 41 through col. 21, line 45).

**Kitain et al.** does not teach a method comprising the automatic generation of a report in response to a sensed signal, nor converting said report to HTML format.

**Rogers et al.**, however, teaches a method of communicating between a user terminal and a database management system comprising the automatic generation of a report in response to a sensed signal (see col. 14, lines 44-67), and also wherein said report is formatted in HTML (see col. 17, lines 42-47; see also col. 14, lines 57-65).

It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate said automatic report generation, since this allows more up-to-date information to be displayed to the user than if pre-created and saved reports are displayed. Furthermore, it would have been obvious to one of ordinary skill in the art at the time of the invention to format the reports in HTML, since HTML is the industry standard for displaying formatted information in a web browser.

26. Furthermore, regarding claim 12, **Kitain et al.** teaches a method wherein said user terminal comprises an industry standard compatible personal computer (see col. 5, lines 41-52).

27. Furthermore, regarding claim 13, **Kitain et al.** teaches a method comprising a plurality of user terminals (see Figure 1, reference numbers 6 and 8; see also col. 11, lines 35-42; see also col. 13, lines 10-12).

28. Furthermore, regarding claim 14, **Kitain et al.** teaches a method wherein said transmitting step comprises transmitting over the World-Wide Web (see col. 11, lines 26-31; see also col. 13, lines 1-3).

29. Regarding claim 16, **Kitain et al.** discloses an apparatus substantially as claimed, comprising:

- a) means permitting a user to interact with a database and for displaying a report (see col. 12, lines 45-61; see also col. 13, lines 10-22; see also col. 47, lines 25-27);
- b) means responsively coupled to said permitting means for providing said user with access to a publicly accessible digital communications network (see 'Internet' on Figure 1; see also col. 13, lines 1-3); and
- c) means for spooling said report for future delivery (see col. 12, lines 28-34).

**Kitain et al.** does not teach an apparatus comprising means for the generation of a report.

**Rogers et al.**, however, teaches an apparatus comprising means for the generation of a report (see col. 14, lines 44-67).

It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate said report generation, since this allows a user to view formatted results of any database queries made by said user.

30. Furthermore, regarding claim 17, **Kitain et al.** teaches an apparatus wherein said publicly accessible digital communications network comprises the World-Wide Web (see col. 11, lines 26-31; see also col. 13, lines 1-3).

31. Furthermore, regarding claim 18, **Rogers et al.** teaches an apparatus wherein said generating means comprises means for storing said report (see col. 9, lines 2-10).

32. Claims 5, 15, 19 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Kitain et al.** (U.S. Patent 5,864,871) in view of **Rogers et al.** (U.S. Patent 6,094,655) as applied to claims 1-4, 6-14, 16-18 and 20 above, and further in view of admitted prior art (**Admission**) (see disclosure, page 3, lines 6-11).

Regarding claims 5, 15 and 19, **Kitain et al.** and **Rogers et al.** teach the elements comprising a method and data processing environment substantially as claimed.

Neither **Kitain et al.** nor **Rogers et al.** teaches said method and data processing environment wherein the database management system is Classic MAPPER.

However, **Admission** teaches a database management system called Classic MAPPER.

It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate Classic MAPPER as the database management system, since it is admitted prior art that Classic MAPPER is "one of the most successful database management systems" (see page 3, lines 8-9).

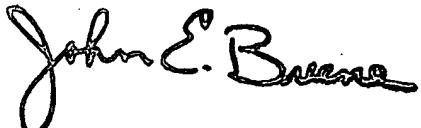
33. Furthermore, regarding claim 20, **Kitain et al.** teaches an apparatus wherein said permitting means comprises an industry standard compatible personal computer (see col. 5, lines 41-52).

*Conclusion*

34. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Luke S. Wassum, whose telephone number is (703) 305-5706. The examiner can normally be reached on Monday – Friday from 8:30 a.m. until 4:30 p.m. EST. If attempts to reach the examiner by phone fail, the examiner's supervisor, John E. Breene, can be reached at (703) 305-9790. The fax for Art Unit 2177 is (703) 308-6606. Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist at (703) 305-3900.



Luke S. Wassum  
Art Unit 2177  
31 October 2000



JOHN BREENE  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100